

## WHAT IS CLAIMED IS:

1. An interface module for transmitting a digital video signal, comprising:

5        a transmitting interface unit designed to be attached to a digital visual interface (DVI) connector terminal of a host device outputting a video signal, the transmitting interface unit having a cable connection consisting of a 4-core optical fiber cable for transmitting RGB signals and clock signals and a 4-core male connector provided at one end thereof;

10      a receiving interface unit designed to be attached to a DVI connector terminal of a video output display unit and having a cable connection, the cable connection consisting of a 4-core optical fiber cable and a 4-core male connector provided at one end thereof; and

15      a 4-core optical cable unit consisting of a 4-core optical cable and 4-core female connectors provided at both ends thereof, the 4-core female connectors designed to be engaged with the 4-core male connectors of the cable connections of the transmitting and receiving interface units,

20      wherein the length of the 4-core optical fiber cable of each of the cable connections is greater than or equal to one fourth of the circumference of a circle whose radius corresponds to an allowable bend radius of the 4-core optical fiber cable, and

      wherein the transmitting interface unit includes built-in display data channel (DDC) signal generating means for outputting identification

information associated with the video output display unit.

2. An interface module according to claim 1, wherein the transmitting interface unit includes switching means for causing the DDC signal generating means to output identification information associated with a plurality of video output display units when the switching means is switched.  
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3. The interface module according to claim 1 or 2, wherein the DDC signal generating means comprises an integrated circuit that generates a  
10 signal equivalent to a DDC signal.